Index of Claims

|  | App | lication | /Contr | ol No. |
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10/509,020

Applicant(s)/Patent under Reexamination

MINAKOV, VALERIY IVANOVICH

Art Unit

Examiner
Thuy V. Tran

2821

√ Rejected
= Allowed

| - | (Through numeral)<br>Cancelled |
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Restricted

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cir         | aim        | Date     |          |                    |                |              |          | Claim Date   |  |          |          |          |          |                 |          |                 | $\neg$   | Г         | Cla      | aim      | Date            |          |          |          |            |          |          |          |            |              |              |   |
|-------------|------------|----------|----------|--------------------|----------------|--------------|----------|--------------|--|----------|----------|----------|----------|-----------------|----------|-----------------|----------|-----------|----------|----------|-----------------|----------|----------|----------|------------|----------|----------|----------|------------|--------------|--------------|---|
| Cla         | \$1111<br> | Н        |          |                    | _              | Jan          | <u> </u> | П            | Г  | $\dashv$ | ┢        | ·        |          | $\vdash$        | 1        |                 | ┪        |           | <u>,</u> |          | $\neg$          |          | H        |          |            | -        |          |          |            |              | ŕ            | Г |
| <del></del> | Original   | 9/28/05  |          |                    |                | 1            |          |              |  |          | -        | ᇑ        | Original |                 |          |                 |          |           |          |          | - 1             | - 1      |          | <u>a</u> | Original   |          |          |          |            |              |              |   |
| Final       | Ē          | /28/     |          |                    |                |              |          |              |  |          | ا ا      | Final    | Ē        |                 |          |                 |          |           |          |          | - 1             |          |          | Final    | ij         |          |          |          |            |              |              |   |
| -           | Ō          | 9        |          |                    |                |              | Ì        | ١.           |  |          | -        | _        | 0        |                 |          | 1               |          |           | - 1      |          |                 |          |          |          | 0          |          |          |          |            |              |              |   |
| 1           | 1          | 葍        |          |                    | ┢╌             | l —          | H        | _            | t  | T        | F        |          | 51       |                 |          |                 |          | 寸         |          |          | 寸               | $\neg$   | Ī        |          | 101        |          |          |          |            |              |              |   |
| 2           | 2          | =        |          |                    |                |              |          |              |  |          | Г        |          | 52       |                 |          |                 |          |           |          |          |                 |          |          |          | 102        |          |          |          |            |              |              |   |
| 3           | 3          | =        |          |                    |                |              |          |              |  |          |          |          | 53       |                 |          |                 |          |           |          |          |                 |          |          |          | 103        |          |          |          |            |              |              | L |
| 4           | 4          | =        |          |                    |                |              |          |              |  |          |          |          | 54       |                 |          |                 |          |           |          |          |                 | ┙        | L        |          | 104        |          |          |          |            |              |              | L |
| 5_          | 5          | =        |          |                    |                |              |          | L            | $ldsymbol{ld}}}}}}$ | _        |          |          | 55       | Ш               |          | _               |          |           | _        | _        | $\perp$         | _        | L        |          | 105        |          |          |          |            |              | _            | L |
| 6_          | 6          | =        |          |                    | <u> </u>       |              |          | L            | L  | _        | L        | _        | 56       |                 | _        | $\dashv$        | _        |           | _        |          |                 | 4        | L        |          | 106        |          | L        | L.       |            |              | $\perp$      | L |
| 7           | 7          | =        |          |                    | <u> </u>       | <u> </u>     | _        | <u> </u>     | <u> </u>   | _        | <u> </u> | _        | 57       | Ш               | _        |                 |          |           |          |          | $\dashv$        | 4        | ŀ        |          | 107        |          | _        | _        |            | _            | <u> </u>     | ┞ |
| 8           | 8          | =        |          |                    | <u> </u>       | <u> </u>     | <u> </u> | <u> </u>     | -  | 4        | -        |          | 58       | ${oxdot}$       | _        | -               | _        |           | $\dashv$ | -        | -               | ႕        | F        |          | 108<br>109 |          | _        | _        | _          | -            | $\vdash$     | ┞ |
| <u> </u>    | 9          |          |          | <u> </u>           | <u> </u>       | <u> </u>     | L        | <u> </u>     | -  | -4       | -        |          | 59       | $\vdash$        | -        |                 |          | _         | $\dashv$ | -        | $\dashv$        | $\dashv$ | H        |          | 110        |          | -        | -        | -          | -            | ₩            | ⊦ |
| -           | 10         | $\vdash$ |          | _                  | <b>!</b>       | -            | H        | <del> </del> | ┢  |          | $\vdash$ | $\dashv$ | 60<br>61 | $\vdash$        | $\dashv$ | H               | _        |           | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | H        |          | 111        | _        | $\vdash$ |          | $\vdash$   |              | -            | ┝ |
| -           | 11         | -        |          |                    | -              | $\vdash$     | $\vdash$ | ⊢            | ┢  | $\dashv$ | $\vdash$ | $\dashv$ | 62       | ┝┥              | $\dashv$ |                 | $\dashv$ |           |          | -        | -               | $\dashv$ | ŀ        |          | 112        | _        | -        | $\vdash$ | $\vdash$   | $\vdash$     | -            | H |
| -           | 13         | H        |          | -                  | ┝╌             | -            | $\vdash$ | $\vdash$     | ┝  | $\dashv$ | $\vdash$ | $\dashv$ | 63       | $\vdash$        | ᅱ        | $\dashv$        | _        | $\dashv$  | ᅱ        | $\dashv$ | $\dashv$        | 一        | ŀ        |          | 113        | -        | _        | -        |            |              | ┢            | ┢ |
|             | 14         | H        |          | <del> </del>       | -              |              | ┢        | ┢┈           | ┢  | $\dashv$ | $\vdash$ |          | 64       |                 | -        | -               |          |           | $\dashv$ | $\neg$   | $\dashv$        | ᅥ        | ŀ        |          | 114        |          |          |          |            |              | Т            | t |
| <b>-</b>    | 15         | H        |          |                    |                | ├            | ┢        |              | ┢╌   | $\dashv$ | $\vdash$ | $\neg$   | 65       | $\vdash$        | ᅥ        | $\neg$          |          |           | _        | -        | $\neg$          | ヿ        | ı        |          | 115        |          |          |          |            | $\vdash$     | _            | r |
|             | 16         | H        |          | -                  |                |              |          | $\vdash$     | H  | $\neg$   | H        |          | 66       | $\Box$          | 一        | 一               |          |           |          |          |                 | ╗        | ľ        |          | 116        |          |          |          |            | Г            |              | r |
| <u> </u>    | 17         |          |          | T                  | $\vdash$       | ┢            | -        |              | ┢  |          |          |          | 67       | $\Box$          | コ        | $\neg$          |          |           | $\neg$   |          |                 | ヿ        | ľ        |          | 117        |          |          |          |            |              |              | Γ |
|             | 18         |          |          | $\vdash$           |                |              | _        |              |  |          | Г        |          | 68       |                 | T        |                 |          |           |          |          |                 |          |          |          | 118        |          |          |          |            |              |              |   |
|             | 19         |          |          |                    |                |              |          |              | Г  |          |          |          | 69       |                 |          |                 |          |           |          |          |                 |          |          |          | 119        |          |          |          |            |              |              |   |
|             | 20         |          |          |                    |                |              |          |              | П  |          |          |          | 70       |                 |          |                 |          |           |          |          |                 |          |          |          | 120        |          |          |          | L          | _            |              | L |
|             | 21         |          |          |                    |                |              |          |              |  |          |          |          | 71       |                 |          |                 |          |           |          |          |                 | _        | L        |          | 121        | L.,      |          | _        | _          | Ш            | oxdot        | Ļ |
|             | 22         |          |          |                    |                |              |          |              |  |          | L        |          | 72       | Щ               |          |                 |          |           | _        |          |                 | _        |          |          | 122        |          | <u> </u> |          | _          | _            | Ш            | L |
|             | 23         | L        |          | <u> </u>           |                | <u> </u>     |          |              | _  | _        | L        |          | 73       | Щ               |          | $\perp$         |          |           | _        | _        | $\rightarrow$   | 4        | -        |          | 123        | <u> </u> | _        | <u> </u> |            |              | L            | Ļ |
| <u> </u>    | 24         |          | Ш.       | L                  |                | _            | _        | <u> </u>     | 1  | _        | L        |          | 74       | $\Box$          | _        | _               |          | _         | _        | _        |                 | 4        | -        |          | 124        | _        | <u> </u> | L        | <u> </u>   | <u> </u>     | ⊢            | ╀ |
|             | 25         |          |          | _                  | _              | _            | _        | _            | _  | _        | <u> </u> | _        | 75_      | $\vdash \vdash$ | $\dashv$ | $\dashv$        | i        | _         | _        | _        |                 | $\dashv$ | ╌        |          | 125<br>126 | -        | $\vdash$ | <u> </u> | <b> </b> - | <u> </u>     | ⊢            | Ł |
|             | 26         | Ш        |          | <u> </u>           |                | _            | ļ        | ⊨            | ▙  | 4        | $\vdash$ |          | 76       | $\vdash$        | _        |                 |          |           | -        | _        |                 |          | ╌        |          | 126        |          | H        | H        | ├          | <del> </del> | ⊢            | ╀ |
|             | 27         |          | _        | _                  | Ļ.             | ├—           | <u> </u> | ┢            | <del> </del>   | -        | ⊢        | _        | 77<br>78 | Н               |          | $\dashv$        | $\dashv$ | -         | -        | -        |                 | 一        | ╌        |          | 128        | ⊢        | ├        | -        | ⊢          | $\vdash$     | ├─           | H |
| <u> </u>    | 28<br>29   | _        |          | ⊢                  |                | ├-           | H        | ⊢            | ├  |          | $\vdash$ |          | 79       | Н               | $\dashv$ | -1              | _        |           | -        | -        | $\dashv$        | $\dashv$ | ╌        |          | 129        | ⊢        | ┢        | -        | ⊢          | -            | ├            | ╁ |
| -           | 30         | $\vdash$ | <u> </u> | ├                  | ┢              | ⊢            | ⊢        | <del> </del> | ╁  | $\dashv$ | ⊢        |          | 80       | Н               | $\dashv$ | $\dashv$        | -        | -         |          |          | $\dashv$        | $\dashv$ | ╌        |          | 130        | <u> </u> |          | ┢┈       | -          | ┢            | H            | t |
|             | 31         | ├-       |          | ⊢                  | $\vdash$       | ┢            | ╁        | ┢            | $\vdash$   | $\dashv$ | $\vdash$ |          | 81       | $\vdash$        | $\dashv$ |                 | _        | _         |          |          | $\vdash$        | -        | ┟        |          | 131        | $\vdash$ |          | -        | $\vdash$   | -            | 一            | t |
| -           | 32         | $\vdash$ | <u> </u> | -                  | ⊢              | ╁            | ┢        | H            | $\vdash$   | $\dashv$ | $\vdash$ |          | 82       | Н               | $\dashv$ | H               |          |           |          |          | $\vdash$        | ᅥ        | ŀ        |          | 132        |          | -        |          |            | _            | 一            | t |
| -           | 33         | -        |          | $\vdash$           | $\vdash$       | <del> </del> | $\vdash$ |              | $\vdash$   | $\dashv$ | $\vdash$ | _        | 83       | Н               | $\dashv$ | $\vdash$        |          |           | -        | _        | H               | $\dashv$ | ŀ        |          | 133        |          | 一        |          | T          | T            | $\vdash$     | t |
|             | 34         |          | -        |                    | $\vdash$       | $\vdash$     | $\vdash$ | ✝            |  | $\dashv$ | $\vdash$ |          | 84       | H               | $\dashv$ | $\Box$          | $\neg$   |           |          |          | $\Box$          | $\dashv$ | ı        |          | 134        | Г        |          | Г        | T          | Ι_           | T -          | T |
|             | 35         | Н        | Т        | $\vdash$           | Т              |              | $T^{-}$  | T            |  | ヿ        |          |          | 85       |                 | $\neg$   | H               |          |           |          |          |                 | $\neg$   | ı        |          | 135        |          |          |          |            |              |              | Γ |
|             | 36         | П        | Ι        | Ι                  | Г              |              |          | Г            | 1  | $\neg$   |          |          | 86       |                 |          |                 |          |           |          |          |                 |          | Ī        |          | 136        |          |          |          |            |              | $\Box$       | Γ |
|             | 37         |          |          |                    |                |              |          |              |  |          |          |          | 87       |                 |          |                 |          |           |          |          |                 |          |          |          | 137        |          |          |          |            |              | L            | Ĺ |
|             | 38         |          |          |                    |                | L            |          |              |  |          |          |          | 88       |                 |          |                 |          |           |          |          |                 | $\Box$   |          |          | 138        | L        |          |          | L          |              | $oxed{oxed}$ | L |
|             | 39         |          |          |                    |                |              |          | Г            |  | $\Box$   |          |          | 89       | Ш               |          |                 |          |           |          |          | Ш               | $\sqcup$ |          |          | 139        |          | _        | _        |            | _            | Щ.           | L |
|             | 40         |          |          | $\Box$             |                | $\Box$       | L        | L            | oxdot  | Ц        | L        |          | 90       | Ш               |          | Ш               |          | Щ         |          |          | Ц               | _        | L        |          | 140        | <u> </u> | <u> </u> |          | <u> </u>   | <u> </u>     |              | ļ |
|             | 41         |          | Ĺ        | $oxedsymbol{oxed}$ | <u> </u>       | L            | <u> </u> | L            |  | Ц        | L        |          | 91_      | Ш               |          | Щ               |          | $\square$ | Щ        |          | Ш               | _        |          |          | 141        |          | ┞_       | <u> </u> | <u> </u>   |              | ـــ          | 1 |
|             | 42         | <u></u>  | _        | L                  | ┖              |              | <u> </u> | _            | _  | Ц        | $\perp$  |          | 92       | Ш               | $\Box$   | Ш               |          | Щ         |          |          | H               | _        | -        |          | 142        | ├-       | ⊢        | <b>├</b> | <u> </u>   | ⊢            |              | ł |
|             | 43         | <u> </u> | <u> </u> | _                  | <del> </del> _ | _            | $\vdash$ | ┡            | _  | Щ        | $\perp$  |          | 93       | Ш               | $\Box$   | $\vdash \vdash$ |          | Щ         | Ш        | $\vdash$ | $\vdash \vdash$ | 4        | ŀ        |          | 143        | $\vdash$ | $\vdash$ | -        | ⊢-         | $\vdash$     | ⊢            | ł |
|             | 44         |          | $\vdash$ | $\vdash$           | ├-             |              | <u> </u> | L            | <b>↓</b>   | Ц        | _        |          | 94       | Н               | $\Box$   | $\sqcup$        | _        | Щ         | Щ        |          | ${oxdot}$       | $\dashv$ | - }      |          | 144        | ├        | ├-       |          | -          | $\vdash$     | ₩            | + |
| -           | 45         | ▙        | ┞        | <u> </u>           | $\vdash$       | $\vdash$     | -        | 1            | ⊢  | $\Box$   | $\vdash$ |          | 95       | H               | -        | Н               |          |           | Н        |          | $\vdash \dashv$ | $\dashv$ | - }      |          | 145<br>146 | $\vdash$ | ├-       | ├        | $\vdash$   | ├            | ╁            | + |
| <u> </u>    | 46         | $\vdash$ | -        | $\vdash$           | <del> </del> — | ⊢            | ├-       | ⊢            | ╁  | $\dashv$ | $\vdash$ |          | 96<br>97 | Н               |          | $\vdash$        |          |           |          |          | $\vdash$        | $\dashv$ | - 1      |          | 146        | ├        | ├        | ╁╌       | ├          | $\vdash$     | ╁            | ╁ |
| <b>—</b>    | 47         | $\vdash$ | ├-       | ⊢                  | $\vdash$       | $\vdash$     | ├        | ├            | $\vdash$   | -        | $\vdash$ |          | 98       | Н               | -        | $\vdash$        |          | H         | $\vdash$ | <u> </u> | $\vdash \vdash$ | $\dashv$ | - }      |          | 148        | $\vdash$ | 1        | +-       | ╁          | $\vdash$     | ╁╾           | t |
|             | 48         | $\vdash$ | $\vdash$ | ⊢                  | ╁┈             | $\vdash$     | $\vdash$ | ┢            | +-   | $\dashv$ | $\vdash$ |          | 99       | $\vdash$        |          | $\vdash \vdash$ | _        | H         | -        | -        | Н               | $\dashv$ | <b>-</b> |          | 149        | $\vdash$ | ┢        | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     | t |
| -           | 50         | $\vdash$ | -        | $\vdash$           | ⊢              | $\vdash$     | ├        | $\vdash$     | $\vdash$   | H        | $\vdash$ |          | 100      | Н               |          | Н               | _        | $\vdash$  |          | -        | Н               | $\dashv$ | ŀ        |          | 150        | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | 1            | t            | t |
|             | LOU        | <u> </u> | L        |                    | 1              | <u> </u>     | Ц_       | _            | 1  |          | ட        |          | 1.00     |                 |          |                 |          |           | $\Box$   | <u> </u> | ш               |          | Ĺ        |          |            |          |          | ـــ      |            | _            | ц_           | ı |